WPC Certification in India

Ensuring Wireless Products Meet Indian Standards

Navigate the complexities of WPC Equipment Type Approval (ETA) for wireless and RF-enabled devices in the Indian market.

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What is WPC Certification?

WPC (Wireless Planning & Coordination) operates under the Department of Telecommunications (DoT) as India's national radio regulatory authority. It manages spectrum licensing and ensures all wireless devices comply with Indian standards before import, sale, or use.

From wireless earbuds to smart home devices, WPC certification is mandatory for any product utilizing wireless or radio frequency technology in de-licensed frequency bands.

Basic Requirements for WPC ETA

Foreign Manufacturers

Must appoint an Authorized Indian Representative (AIR).

If a liaison or branch office exists in India, it becomes the AIR for both ETA and import licenses.

Domestic Manufacturers

Can directly apply for WPC ETA license and import license without nominating an AIR, streamlining the approval process.

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Types of WPC Licenses

1

Network Licenses

- Internet Service Provider (ISP) License
- Experimental License for R&D
- Permission for cellular and Wi-Fi networks

2

Non-Network Licenses

- Import License for wireless products
- Dealer Possession License
- Non-Dealer Possession License

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Mandatory Products Requiring WPC

Wi-Fi Routers

All wireless routers and smart home gateways require WPC ETA approval.

Audio Devices

Wireless earphones, Bluetooth speakers, smart speakers, and wireless microphones.

Smart Electronics

Smart TVs, wireless transmitters, and Bluetooth-enabled gadgets.

Communication Devices

Wireless walkie-talkies and other RF communication equipment.

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WPC ETA Certification Process

01

Product Testing

Obtain RF test report from NABL or ISO 17025 accredited lab confirming operation in permitted frequency bands (2.4 GHz or 5 GHz).

02

Document Collection

Gather RF test report, technical datasheet, user manual, authorization letter, self-declaration, and business identity proof.

03

Portal Registration

Register on Saral Sanchar Portal and select Equipment Type Approval through Self-Declaration under WPC services.

04

Application Submission

Complete online application with product details, company information, and pay government fee online.

05

WPC Evaluation

WPC reviews application and documents. Approval typically takes 1-3 weeks if everything is in order.

06

Certificate Download

Download approved ETA certificate from Saral Sanchar dashboard. Valid for product lifetime.

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Key Documentation Requirements

Essential Documents

- ID and address proof of authorized person
- RF test report from accredited lab
- Letter of Authorization
- Technical product details
- IEC for imports

Business Documents

- Company GST Registration copy
- Company Registration copy
- Purchase order (for imports)
- Online payment receipt
- Test reports (CE/RoHS/ASTM/EN)

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Frequency Spectrum Compliance

WPC-ETA certification is mandatory for devices operating in specific frequency bands. The primary de-licensed bands include 2.4 GHz for Wi-Fi and Bluetooth, and 5 GHz for advanced wireless applications. Inductive applications use designated frequency ranges with specific technical characteristics defined by WPC regulations.

10-12

Working Days

Typical approval timeline after document submission

₹10K

Base Fee

Per product with one or more RF modules

Benefits of WPC Certification

Legal Market Access

Required authority to sell wireless devices in India, eliminating regulatory penalties and customs delays.

Market Opportunity

Access India's fast-growing consumer electronics market with certified wireless-enabled devices.

Enhanced Credibility

Builds trust with Indian buyers, retailers, and B2B partners through government-validated compliance.

Risk Mitigation

Avoids legal action, penalties, product seizure, and enables bulk import and distribution partnerships.

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Partner with ERCS for Seamless Certification

ERCS Private Limited serves as your bridge to WPC-ETA Consultants. Our experienced professionals guide you through every step—from checking product applicability and document preparation to obtaining final approval.

We simplify the complexities, making WPC certification hassle-free.

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